



Practitioner's Docket No. MPI00-459P1RM (formerly 10147-56U1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Meyers, Rachel E., *et al.*
Application No.: 10/001,851 Group No.: 1635
Filed: November 20, 2001 Examiner: Schultz, James
For: 47169 AND 33935, NOVEL HUMAN GLYCOSYL TRANSFERASES AND USES
THEREFOR

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

**IDENTIFICATION OF TIME OF FILING THE ACCOMPANYING
INFORMATION DISCLOSURE STATEMENT**

1. The information disclosure statement submitted herewith is being filed:
☐ Within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. 37 C.F.R. section 1.97(b).

OR

☒ **After** three months of the filing date of this national application or the date of entry of the national stage as set forth in Section 1.491 in an international application or after the mailing date of the first Office action on the merits, whichever event occurred last but **before** the mailing date of either:

CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10*

I hereby certify that, on the date shown below, this correspondence is being:

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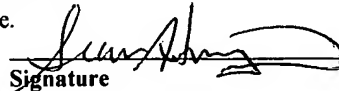
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37 C.F.R. SECTION 1.8(a)

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Sean Hunziker

(type or print name of person certifying)

Date: October 5, 2004

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- (1) a final action under Section 1.113,
- (2) a notice of allowance under Section 1.311, or
- (3) an action that otherwise closes prosecution in the application

whichever occurs first.

☒ Accompanying this transmittal is the fee set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c). (\$180.00).

☐ Each item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(1).

☐ No item of information contained in the information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application and to the knowledge of the person signing the statement after making reasonable inquiry, was known to any individual designated in Section 1.56(c) more than three months prior to the filing of the information disclosure statement. 37 C.F.R. Section 1.97(e)(2).

FEE PAYMENT

2. ☒ The fee due is set forth in 37 C.F.R. Section 1.17(p) for submission of an information disclosure statement under Section 1.97(c) (\$180.00).

☐ Applicant believes no fee is due in connection with this submission.

Fee due \$180.00

METHOD OF PAYMENT OF FEE

3. ☐ Attached is a check in the amount of \$ _____ .
☒ Charge Account No. 501668 in the amount of \$180.00 .
☒ A duplicate of this request is attached.

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October 5, 2004

MILLENNIUM PHARMACEUTICALS, INC.

By Mario Cloutier

Mario Cloutier

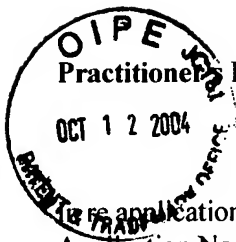
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Cambridge, MA 02139

Telephone - 617-577-3522

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Practitioner's Docket No. MPI00-459P1RM (formerly 10147-56U1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of: Meyers, Rachel E., *et al*

Application No.: 10/001,851

Group No.: 1635

Filed: November 20, 2001

Examiner: Schultz, James

For: 47169 AND 33935, NOVEL HUMAN GLYCOSYL TRANSFERASES AND USES THEREFOR

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

List of Sections Forming Part of This Information Disclosure Statement

The following sections are being submitted for this Information Disclosure Statement:

1. ☒ Preliminary Statements;
2. ☒ Forms PTO/SB/08A and PTO/SB/08B (substitute for Form PTO-1449);
3. ☒ Copies of Listed Information Items Accompanying This Statement (AB, CA-CZ)

10/13/2004 HGUTEMA1 00000012 501668 10001851

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CERTIFICATION UNDER 37 C.F.R. SECTIONS 1.8(a) and 1.10*

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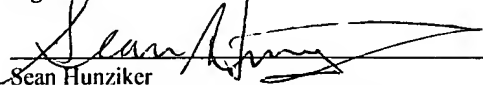
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Sean Hunziker

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Preliminary statements

Applicants submit herewith patents, publications or other information, of which they are aware that they believe may be material to the examination of this application, and in respect of which, there may be a duty to disclose.

The filing of this information disclosure statement shall not be construed as a representation that a search has been made (37 C.F.R. section 1.97(g)), an admission that the information cited is, or is considered to be, material to patentability, or that no other material information exists.

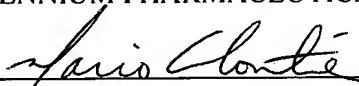
The filing of this information disclosure statement shall not be construed as an admission against interest in any manner. Notice of January 9, 1992, 1135 O.G. 13-25, at 25.

Copies of Listed Information Items Accompanying This Statement

Legible copies of all items listed in Forms PTO/SB/08A and PTO/SB/08B (substitute for Form PTO-1449) accompany this information statement.

October 5, 2004

MILLENNIUM PHARMACEUTICALS, INC.

By: 
Mario Cloutier
Limited Recognition Under 37 C.F.R. §10.9(b)
40 Landsdowne Street
Cambridge, MA 02139
Telephone - 617-577-3522
Facsimile - 617-551-8820

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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number

10/001,851

Filing Date

November 20, 2001

First Named Inventor

Rachel E. Meyers, et al.

Group Art Unit

1635

Examiner Name

James Schultz

Attorney Docket Number

MPI00-459P1RM

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature		Date Considered	

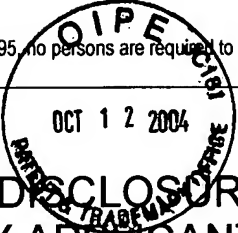
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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		<i>(use as many sheets as necessary)</i>		Application Number	10/001,851
				Filing Date	November 20, 2001
				First Named Inventor	Rachel E. Meyers, et al.
				Group Art Unit	1635
				Examiner Name	James Schultz
Sheet	1	of	4	Attorney Docket Number	MPI00-459PIRM

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	CA	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY3 (gly-3) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031833.	
	CB	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY4 (gly-4) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031834.	
	CC	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY5a (gly-5) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031835.	
	CD	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY5b (gly-5) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031836.	
	CE	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY5c (gly-5) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031837.	
	CF	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY6a (gly-6) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031838.	
	CG	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY6b mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031839.	
	CH	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase GLY6c (gly-6) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031840.	
	CI	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Homolog GLY7 (gly-7) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031841.	
	CJ	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Homolog GLY8 (gly-8) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031842.	

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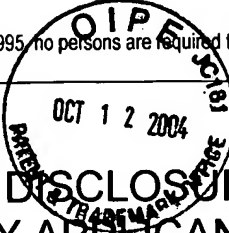
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PTO/SB/08B (10-96)

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 INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	10/001,851
		Filing Date	November 20, 2001
		First Named Inventor	Rachel E. Meyers, et al..
		Group Art Unit	1635
		Examiner Name	James Schultz
		Attorney Docket Number	MPI00-459P1RM
Sheet	2	of	4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include the name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and-or country where published.	T ²
	CK	Hagen, F.K., et. al., "Caenorhabditis Elegans UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase Homolog GLY9 (gly-9) mRNA, Complete Cds", April 15, 1998 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AF031843.	
	CL	Isogai, T., et. al., "Homo Sapiens cDNA FLJ13720 fis, Clone PLACE2000438, Weakly Similar to Polypeptide N-Acetylgalactosaminyltransferase (EC 2.4.1.41)", January 30, 2004 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AK023782.	
	CM	Sugano, S., et. al., "Homo Sapiens cDNA: FLJ21803 fis, Clone HEP00738", September 13, 2003 (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. AK025456.	
	CN	NCBI Annotation Project, "Homo Sapiens KIAA0266 Gene Product (KIAA0266), mRNA", October 16, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. XM_012288.	
	CO	"Hypothetical Protein XP_012288 [Homo Sapiens], October 16, 2001, (sequence) GenBank [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . GenBank Accession No. XP_012288.	
	CP	Homa, F.L., et al., "Polypeptide N-Acetylgalactosaminyltransferase 1 (Protein-UDP Acetylgalactosaminyltransferase 1) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 1) (Polypeptide GalNAc Transferase 1) (GalNAc-T1) (pp-GaNTase 1) [Contains: Polypeptide N-Acetylgalactosaminyltransferase 1, Soluble Form]," created November. 1, 1995 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q07537.	
	CQ	Meurer, J.A., et al., "Polypeptide N-Acetylgalactosaminyltransferase 1 (Protein-UDP Acetylgalactosaminyltransferase 1) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 1) (Polypeptide GalNAc transferase 1) (GalNAc-T1) (pp-GaNTase 1) [Contains: Polypeptide N-Acetylgalactosaminyltransferase 1, Soluble Form]," created October 1, 1996 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q10472.	
	CR	Hagen, F.K., et al., "Polypeptide N-Acetylgalactosaminyltransferase 1 (Protein-UDP Acetylgalactosaminyltransferase 1) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 1) (Polypeptide GalNAc transferase 1) (GalNAc-T1) (pp-GaNTase 1) [Contains: Polypeptide N-Acetylgalactosaminyltransferase 1, Soluble Form]," created October 1, 1996 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q10473.	

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Sheet	3	of	4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
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	CS	Bennett, E.P., et al., "Polypeptide N-Acetylgalactosaminyltransferase 3 (Protein-UDP Acetylgalactosaminyltransferase 3) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 3) (Polypeptide GalNAc transferase 3) (GalNAc-T3) (pp-GaNTase 3)," created October 1, 2004 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q14435.	
	CT	Hagen, F.K., et al., "Probable N-Acetylgalactosaminyltransferase 9 (Protein-UDP Acetylgalactosaminyltransferase 9) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 9) (pp-GaNTase 9)," created October 1, 2004 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q9U2C4.	
	CU	Adams, M.D., et al., "Polypeptide N-Acetylgalactosaminyltransferase 8 (Protein-UDP Acetylgalactosaminyltransferase 8) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 8) (pp-GaNTase 8)," created October 1, 2004 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q9VUT6.	
	CV	Hagen, F.K., et al., "Polypeptide N-Acetylgalactosaminyltransferase 1 (Protein-UDP Acetylgalactosaminyltransferase 1) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 1) (Polypeptide GalNAc transferase 1) (GalNAc-T1) (pp-GaNTase 1)," created October 16, 2001 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. O08912.	
	CW	Yoshida, A., et al., "Polypeptide N-Acetylgalactosaminyltransferase 1 (Protein-UDP Acetylgalactosaminyltransferase 1) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 1) (Polypeptide GalNAc transferase 1) (GalNAc-T1) (pp-GaNTase 1) [Contains: Polypeptide N-Acetylgalactosaminyltransferase 1, Soluble Form]," created October 16, 2001 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 4, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q29121.	
	CX	Schwientek, T., et al., "Polypeptide N-Acetylgalactosaminyltransferase 11 (Protein-UDP Acetylgalactosaminyltransferase 11) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 11) (Polypeptide GalNAc transferase 11) (GalNAc-T11) (pp-GaNTase 11)," created October 1, 2004 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q8NCW6.	
	CY	Adams, M.D., et al., "Polypeptide N-Acetylgalactosaminyltransferase 2 (Protein-UDP Acetylgalactosaminyltransferase 2) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 2) (pp-GaNTase 2)," created October 1, 2004 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ . Swiss Prot Accession No. Q6WV19.	

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		Application Number	10/001,851
		Filing Date	November 20, 2001
		First Named Inventor	Rachel E. Meyers, et al..
		Group Art Unit	1635
		Examiner Name	James Schultz
		Attorney Docket Number	MPI00-459PIRM

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	CZ	Durbin, R., "Putative Polypeptide N-Acetylgalactosaminyltransferase 11 (Protein-UDP Acetylgalactosaminyltransferase 11) (UDP-GalNAc:Polypeptide N-Acetylgalactosaminyltransferase 11) (pp-GaNTase 11)," created October 1, 2004 (sequence) GenPept [online] Bethesda, MD, USA: National Center for Biotechnology Information [retrieved on October 5, 2004]. Retrieved from the Internet: URL: http://www.ncbi.nlm.nih.gov/ >. Swiss Prot Accession No. Q7K755.	

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